Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Previously Presented) An electrolyte layer for a fuel cell comprising:

a compact substrate through which passes a gas supplied to the electrochemical reaction, wherein the substrate includes hydrogen-permeability;

a porous layer with fine pores that is formed on the substrate; and

an inorganic electrolyte supported in the pores, wherein the electrolyte includes proton-conductivity.

2. Canceled.

3. (Previously Presented) An electrolyte layer for a fuel cell according to Claim 1, wherein the electrolyte includes a solid acid.

4. (Previously Presented) An electrolyte layer for a fuel cell according to Claim 1, wherein the electrolyte includes a liquid acid.

5. (Currently Amended) A fuel cell comprising:

an electrolyte layer for a fuel cell according to ~~any one of Claims 1 through 4~~ Claim 1, and

an electrode adjacent disposed adjacent to the porous layer, on the side opposite the substrate.

6. (Previously Presented) A method of manufacturing an electrolyte layer for a fuel cell, the method comprising:

preparing a compact substrate through which passes a gas supplied to the electrochemical reaction; wherein the substrate includes hydrogen-permeability;

forming a porous layer with fine pores on the substrate; and

supporting an inorganic electrolyte in the pores, wherein the electrolyte includes proton-conductivity.

7. Canceled

8. (Previously Presented) A method of manufacturing an electrolyte layer for a fuel cell according to Claim 6, wherein

the electrolyte includes a solid acid, and

the supporting the inorganic electrolyte includes

introducing a solution of a solid acid into the pores of the porous layer, and

drying the porous element containing the solution.